

## CLAIMS

1. Motorized reduction gear (1) intended for functional equipment of a vehicle, comprising a rotor (4) provided with a rotor shaft (5) bearing a commutator (9), and a reduction gearbox (13) containing a gearwheel engaged with a worm (8) of the shaft, and also a magnetic ring (14) mounted on the shaft in order that the number of shaft rotations can be counted, characterized in that the magnetic ring (17; 19, ...) is attached to the commutator (9, 23, ...).

2. Motorized reduction gear according to Claim 1, characterized in that the magnetic ring (17) is overmoulded on the body (18) of the commutator (9).

3. Motorized reduction gear according to Claim 1, characterized in that the magnetic ring (19) is housed in an annular recess (21) which is on the body (22) of the commutator (23), on which it is adhesively bonded or overmoulded.

4. Motorized reduction gear according to Claim 3, characterized in that the annular recess (21) is at one end of the commutator (23) which is free of hooks (11) for retaining the electrical connectors of the rotor (4).

5. Motorized reduction gear according to Claim 1, characterized in that the magnetic ring (24) is elastically clipped onto an annular extension (25) of the commutator (20).

6. Motorized reduction gear according to Claim 1, characterized in that the magnetic ring (28) is attached to one end of the commutator (29) by at least two screws (31) parallel to the axis (XX) of the commutator.

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15 3. Motorized reduction gear according to Claim 1, characterized in that the magnetic ring (19) is housed in an annular recess (21) which is on the body (22) of the commutator (23), on which it is adhesively bonded or overmoulded.

20 4. Motorized reduction gear according to Claim 3, characterized in that the annular recess (21) is at one end of the commutator (23) which is free of hooks (11) for retaining the electrical connectors of the rotor (4).

25 5. Motorized reduction gear according to Claim 1,  
characterized in that the magnetic ring (24) is  
elastically clipped onto an annular extension (25) of  
the commutator (20).

6. Motorized reduction gear according to Claim 1,  
30 characterized in that the magnetic ring (28) is  
attached to one end of the commutator (29) by at least  
two screws (31) parallel to the axis (XX) of the  
commutator.